RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/776,330_

Source: _1FWO_

Date Processed by STIC: _11/29/04_

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/776,330_

CRF Edit Date: _12/2/04_
Edited by: _AL_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

_/_ Deleted: _/_ invalid beginning/end-of-file text ; ____ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

Revised 09/09/2003

IFWO

```
 3 <110> APPLICANT: GALZI, JEAN-LUC
 4        ALIX, PHILIPPE
 6 <120> TITLE OF INVENTION: USE OF A FLUORESCENT PROTEIN FOR DETECTING INTERACTION
 7        BETWEEN A TARGET PROTEIN AND ITS LIGAND
 9 <130> FILE REFERENCE:
11 <140> CURRENT APPLICATION NUMBER: US/10/776,330
12 <141> CURRENT FILING DATE: 2004-02-12
14 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01136
15 <151> PRIOR FILING DATE: 1998-06-04
17 <150> PRIOR APPLICATION NUMBER: FR 97/06977
18 <151> PRIOR FILING DATE: 1997-06-05
20 <160> NUMBER OF SEQ ID NOS: 25
21 <170> SOFTWARE: PatentIn Ver. 2.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 798
25 <212> TYPE: DNA
26 <213> ORGANISM: Aequorea Victoria
28 <220> FEATURE:
29 <221> NAME/KEY: CDS
30 <222> LOCATION: (1)...(795)
32 <400> SEQUENCE: 1
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34 Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu
35  1               5                   10                  15
37 gtc gag ctg gac ggc gac gta aac ggc cac aag ttc agc gtg tcc ggc     96
38 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly
39              20                  25                  30
41 gag ggc gag ggc gat gcc acc tac ggc aag ctg acc ctg aag ttc atc    144
42 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile
43          35                  40                  45
45 tgc acc acc ggc aag ctg ccc gtg ccc tgg ccc acc ctc gtg acc acc    192
46 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
47      50                  55                  60
49 ctg acc tac ggc gtg cag tgc ttc agc cgc tac ccc aac cac atg aag    240
50 Leu Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys
51  65                  70                  75                  80
53 cag cac gac ttc ttc aag tcc gcc atg ccc gaa ggc tac gtc cag gag    288
54 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
55                  85                  90                  95
62 cgc acc atc ttc ttc aag gac gac ggc aac tac aag acc cgc gcc gag    336
63 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu
64              100                 105                 110
66 gtg aag ttc gag ggc gac acc ctg gtg aac cgc atc gag ctg aag ggc    384
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RAW SEQUENCE LISTING   DATE: 12/02/2004
PATENT APPLICATION: US/10/776,330   TIME: 11:47:36

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\12022004\J776330.raw

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67 Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly
68           115                 120                 125
70 atc gac ttc aag gag gac ggc aac atc ctg ggg cac aag ctg gag tac    432
71 Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr
72     130                 135                 140
74 aac tac aac agc cac aac gtc tat atc atg gcc gac aag cag aag aac    480
75 Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn
76 145                 150                 155                 160
78 ggc atc aag gtg aac ttc aag atc cgc cac aac atc gag gac ggc agc    528
79 Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser
80                 165                 170                 175
82 gtg cag ctc gcc gac cac tac cag cag aac acc ccc atc ggc gac ggc    576
83 Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly
84           180                 185                 190
86 ccc gtg ctg ctg ccc gac aac cac tac ctg agc acc cag tcc gcc ctg    624
87 Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu
88           195                 200                 205
90 agc aaa gac ccc aac gag aag cgc gat cac atg gtc ctg ctg gag ttc    672
91 Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe
92     210                 215                 220
94 gtg acc gcc gcc ggg atc act ctc ggc atg gac gag ctg tac aag tac    720
95 Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys Tyr
96 225                 230                 235                 240
98 tca gat ctc gag ctc aag ctt cga att ctg cag tcg acg gta ccg cgg    768
99 Ser Asp Leu Glu Leu Lys Leu Arg Ile Leu Gln Ser Thr Val Pro Arg
100                 245                 250                 255
102 gcc cgg gat cca ccg gat cta gat aac tga                           798
103 Ala Arg Asp Pro Pro Asp Leu Asp Asn
104           260                 265
107 <210> SEQ ID NO: 2
108 <211> LENGTH: 265
109 <212> TYPE: PRT
110 <213> ORGANISM: Aequorea victoria
112 <400> SEQUENCE: 2
113 Met Val Ser Lys Gly Glu Glu Leu Phe Thr Gly Val Val Pro Ile Leu
114    1               5                  10                  15
116 Val Glu Leu Asp Gly Asp Val Asn Gly His Lys Phe Ser Val Ser Gly
117           20                  25                  30
124 Glu Gly Glu Gly Asp Ala Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile
125           35                  40                  45
127 Cys Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr
128       50                  55                  60
130 Leu Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys
131 65                  70                  75                  80
133 Gln His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu
134                 85                  90                  95
136 Arg Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu
137           100                 105                 110
139 Val Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly
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                    RAW SEQUENCE LISTING              DATE: 12/02/2004
                    PATENT APPLICATION:  US/10/776,330   TIME: 11:47:36

                    Input Set : A:\PTO.AMC.txt
                    Output Set: N:\CRF4\12022004\J776330.raw

140           115                   120                   125
142 Ile Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr
143    130                   135                   140
145 Asn Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn
146 145                150                   155                160
148 Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser
149                165                   170                   175
151 Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly
152           180                   185                   190
154 Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu
155           195                   200                   205
157 Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe
158    210                   215                   220
160 Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp Glu Leu Tyr Lys Tyr
161 225                230                   235                240
163 Ser Asp Leu Glu Leu Lys Leu Arg Ile Leu Gln Ser Thr Val Pro Arg
164           245                   250                   255
166 Ala Arg Asp Pro Pro Asp Leu Asp Asn
167           260                   265
170 <210> SEQ ID NO: 3
171 <211> LENGTH: 5
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: spacer sequence
178 <400> SEQUENCE: 3
179 Gly Gly Gly Gly Ser
180    1              5
186 <210> SEQ ID NO: 4
187 <211> LENGTH: 6
188 <212> TYPE: PRT
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Cyclopeptide
194 <400> SEQUENCE: 4
195 Gln Trp Phe Gly Leu Met
196    1              5
199 <210> SEQ ID NO: 5
200 <211> LENGTH: 29
201 <212> TYPE: DNA
202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence:
206       Oligonucleotide
208 <400> SEQUENCE: 5
209 ggtcgccacc ctgtacaaga agggcgagg                                  29
212 <210> SEQ ID NO: 6
213 <211> LENGTH: 36
214 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 12/02/2004
PATENT APPLICATION: US/10/776,330   TIME: 11:47:36

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\12022004\J776330.raw**

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215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence:
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222 cacgagagga tgtacaacct cgagcgcaca gtcacc                        36
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226 <211> LENGTH: 44
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence:
232       Oligonucleotide
234 <400> SEQUENCE: 7
235 gtacccagac accagctagc agatctgaag cttcgccatc aggc               44
238 <210> SEQ ID NO: 8
239 <211> LENGTH: 39
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
252 <400> SEQUENCE: 8
253 ggagagttcc aactcgagaa aagaaagaag ggcgaggag                     39
256 <210> SEQ ID NO: 9
257 <211> LENGTH: 36
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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265 gtcagctgtt tctgcggcgc gctaagcctg ggcctt                        36
268 <210> SEQ ID NO: 10
269 <211> LENGTH: 51
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
276 <400> SEQUENCE: 10
277 ttagttctaa actagcggcc gcactagtcc tccatgaaca cttcagcccc a        51
280 <210> SEQ ID NO: 11
281 <211> LENGTH: 42
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
288 <400> SEQUENCE: 11
289 cttgaaccta tagctagcct cgagtcagca ttggcgggag gg                 42
292 <210> SEQ ID NO: 12
293 <211> LENGTH: 28
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RAW SEQUENCE LISTING   DATE: 12/02/2004
PATENT APPLICATION: US/10/776,330   TIME: 11:47:36

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\12022004\J776330.raw

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295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
300 <400> SEQUENCE: 12
301 cctgctgtct cagatctcat caccgtcc                                      28
304 <210> SEQ ID NO: 13
305 <211> LENGTH: 47
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence:
314      Oligonucleotide
316 <400> SEQUENCE: 13
317 cagatcatta gttgtacagg aaagatcttg aggatcctgg agtgaag                 47
320 <210> SEQ ID NO: 14
321 <211> LENGTH: 29
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Description of Artificial Sequence:
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330 ggcccaagct tatgtcagga tccggggat                                     29
333 <210> SEQ ID NO: 15
334 <211> LENGTH: 30
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: Description of Artificial Sequence:
340      Oligonucleotide
342 <400> SEQUENCE: 15
343 cgcccgctcg agtcacaagc ccacagatat                                    30
346 <210> SEQ ID NO: 16
347 <211> LENGTH: 21
348 <212> TYPE: DNA
349 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
352 <223> OTHER INFORMATION: Description of Artificial Sequence:
353      Oligonucleotide
355 <400> SEQUENCE: 16
356 gttgacaagc ttcgggatcc a                                             21
359 <210> SEQ ID NO: 17
360 <211> LENGTH: 78
361 <212> TYPE: DNA
362 <213> ORGANISM: Artificial Sequence
364 <220> FEATURE:
365 <223> OTHER INFORMATION: Description of Artificial Sequence:
366      Oligonucleotide
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VERIFICATION SUMMARY   DATE: 12/02/2004
PATENT APPLICATION: **US/10/776,330**   TIME: 11:47:37

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF4\12022004\J776330.raw**

.9 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
:11 M:270 C: Current Application Number differs, Replaced Application Number
:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

IFWO

RAW SEQUENCE LISTING   DATE: 11/29/2004
PATENT APPLICATION: US/10/776,330   TIME: 14:40:18

        Input Set : **A:\PTO.FG.txt**
        Output Set: **N:\CRF4\11292004\J776330.raw**

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      3 <110> APPLICANT: GALZI, JEAN-LUC
      4        ALIX, PHILIPPE
      6 <120> TITLE OF INVENTION: USE OF A FLUORESCENT PROTEIN FOR DETECTING INTERACTION
      7        BETWEEN A TARGET PROTEIN AND ITS LIGAND
W-->  9 <130> FILE REFERENCE:
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/776,330
C--> 12 <141> CURRENT FILING DATE: 2004-02-12
     14 <150> PRIOR APPLICATION NUMBER: PCT/FR98/01136
     15 <151> PRIOR FILING DATE: 1998-06-04
     17 <150> PRIOR APPLICATION NUMBER: FR 97/06977
     18 <151> PRIOR FILING DATE: 1997-06-05
     20 <160> NUMBER OF SEQ ID NOS: 25
     21 <170> SOFTWARE: PatentIn Ver. 2.1
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ERRORED SEQUENCES

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    475 <210> SEQ ID NO: 25
    476 <211> LENGTH: 43
    477 <212> TYPE: DNA
    478 <213> ORGANISM: Artificial Sequence
    480 <220> FEATURE:
    481 <223> OTHER INFORMATION: Description of Artificial Sequence:
    482        Oligonucleotide
    484 <400> SEQUENCE: 25
    485 ccgctcgagt taatctagaa ggaccaaatt gtactccttc aag                   43
E--> 491 (1)
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VERIFICATION SUMMARY   DATE: 11/29/2004
PATENT APPLICATION: **US/10/776,330**   TIME: 14:40:19

Input Set : **A:\PTO.FG.txt**
Output Set: **N:\CRF4\11292004\J776330.raw**

L:9 M:201 W: Mandatory field data missing, <130> FILE REFERENCE
L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:491 M:254 E: No. of Bases conflict, this line has no nucleotides.